

SANYO

No.2374

DFH10T

Diffused Junction Type Silicon Diode

1.0 POWER RECTIFIER

Features

- High-speed switching use
- Plastic molded structure
- Reverse recovery time $t_{rr}=0.15\mu s$ max(B,C,E,G)
 $t_{rr}=0.3\mu s$ max(J,L,N,R)
- Peak reverse voltage $V_{RM}=-100$ to $-1500V$
- Average rectified current $I_o=1.0A$

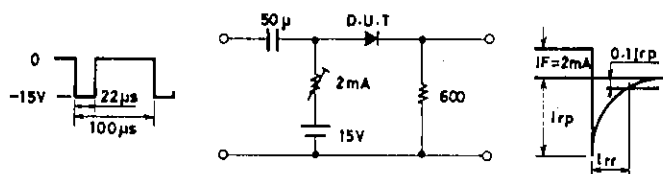
Absolute Maximum Ratings at $T_a=25^\circ C$

		DFH10TB	DFH10TC	DFH10TE	DFH10TG	unit
Peak Reverse Voltage	V_{RM}	-100	-200	-400	-600	V
Average Rectified Current	I_o $T_a=25^\circ C$	→	→	→	1.0	A
Surge Forward Current	I_{FSM} 50Hz sine wave, 1 cycle	→	→	→	60	A
Junction Temperature	T_j	→	→	→	150	$^\circ C$
Storage Temperature	T_{stg}	→	→	-40 to +150		$^\circ C$

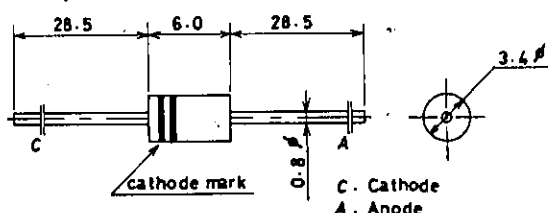
		DFH10TJ	DFH10TL	DFH10TN	DFH10TR	unit
Peak Reverse Voltage	V_{RM}	-800	-1000	-1200	1500	V
Average Rectified Current	I_o $T_a=25^\circ C$	→	→	→	1.0	A
Surge Forward Current	I_{FSM} 50Hz sine wave, 1 cycle	→	→	→	40	A
Junction Temperature	T_j	→	→	→	125	$^\circ C$
Storage Temperature	T_{stg}	→	→	-40 to +150		$^\circ C$

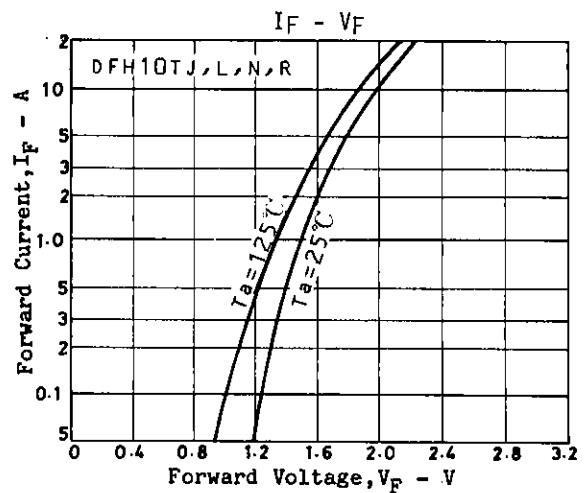
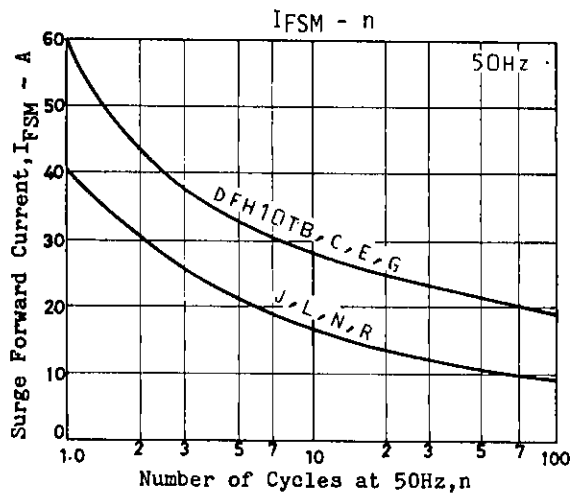
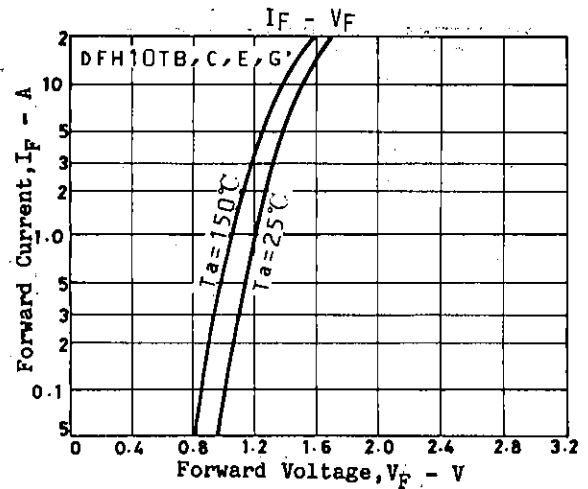
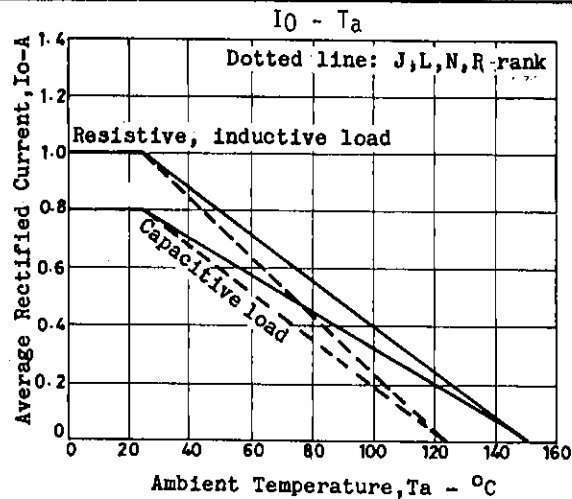
Electrical Characteristics at $T_a=25^\circ C$

			min	typ	max	unit
Forward Voltage	V_F $I_F=1.0A$ (B,C,E,G) $I_F=1.0A$ (J,L,N,R)				1.2	V
Reverse Current	I_R V_R : At each V_{RM}				1.5	V
Reverse Recovery Time	t_{rr} $I_F=2mA, V_R=-15V$ (B,C,E,G) $I_F=2mA, V_R=-15V$ (J,L,N,R)				-10	μA
					0.15	μs
					0.3	μs



Reverse Recovery Time Test Circuit

Unit (resistance: Ω , capacitance: F)**Package Dimensions 1175**
(unit: mm)



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